

## EAST Search History

| Ref # | Hits | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------|------------------|---------|------------------|
| S1    | 1169 | (362/800).CCLS.   | USPAT;<br>USOCR | OR               | OFF     | 2005/01/19 14:42 |
| S2    | 10   | ((362/800).CCLS.) and ((vehicle or auto or car or automobile) and (high adj intensity) and (heat adj sink))   | USPAT           | OR               | OFF     | 2004/09/03 14:56 |
| S3    | 13   | ("3474381"   "4124881"   "4654629"   "4680678"   "4893223"   "4929866"   "4977487"   "5006971"   "5084804"   "5101326"   "5162696"   "5319531"   "5436809").PN.   | USPAT           | OR               | OFF     | 2004/09/03 14:52 |
| S4    | 38   | "5567036".URPN.   | USPAT           | OR               | OFF     | 2004/09/03 14:53 |
| S5    | 612  | (362/488,494,545).CCLS.   | USPAT;<br>USOCR | OR               | OFF     | 2004/09/03 14:57 |
| S6    | 136  | ((362/800).CCLS.) and ((362/488, 494,545).CCLS.)  | USPAT           | OR               | OFF     | 2004/09/03 14:57 |
| S7    | 21   | ("4271408"   "4293847"   "4632798"   "4654629"   "4729076"   "4733335"   "4774434"   "4826896"   "4851972"   "4929866"   "4935665"   "4951179"   "5038255"   "5062027"   "5162696"   "5241457"   "5268828"   "5278432"   "5278731"   "5313729"   "5345705").PN. | USPAT           | OR               | OFF     | 2004/09/03 15:18 |
| S8    | 21   | ("4271408"   "4293847"   "4632798"   "4654629"   "4729076"   "4733335"   "4774434"   "4826896"   "4851972"   "4929866"   "4935665"   "4951179"   "5038255"   "5062027"   "5162696"   "5241457"   "5268828"   "5278432"   "5278731"   "5313729"   "5345705").PN. | USPAT           | OR               | OFF     | 2004/09/03 15:19 |
| S9    | 0    | ((362/800).CCLS.) and (chip and refelctor and (heat adj sink))  | USPAT           | OR               | OFF     | 2004/09/06 15:31 |
| S10   | 21   | ((362/800).CCLS.) and (chip and reflector and (heat adj sink))  | USPAT           | OR               | OFF     | 2004/09/06 15:31 |
| S11   | 84   | ((362/800).CCLS.) and (high adj power)  | USPAT           | OR               | OFF     | 2004/09/06 15:32 |
| S12   | 0    | ((362/800).CCLS.) and (refelctor or refelctive)   | USPAT           | OR               | OFF     | 2004/09/06 15:33 |
| S13   | 471  | ((362/800).CCLS.) and (reflector or reflective)   | USPAT           | OR               | OFF     | 2004/09/06 15:33 |

## EAST Search History

|     |      |  |                 |    |     |                  |
|-----|------|--|-----------------|----|-----|------------------|
| S14 | 1169 | (362/800).CCLS.  | USPAT;<br>USOCR | OR | OFF | 2004/09/06 16:53 |
| S15 | 23   | "3821590".URPN.  | USPAT           | OR | OFF | 2004/09/06 15:36 |
| S16 | 4    | ("3510732"   "3860847"  <br>"4035681"   "4070568").PN.   | USPAT           | OR | OFF | 2004/09/06 15:38 |
| S17 | 9    | ("3354316"   "3400311"  <br>"3404319"   "3419762"   "3510732"<br>  "3528169"   "3676668"  <br>"3696263"   "3739241").PN. | USPAT           | OR | OFF | 2004/09/06 15:39 |
| S18 | 22   | "3510732".URPN.  | USPAT           | OR | OFF | 2004/09/06 15:40 |
| S19 | 1    | ("3458779").PN.  | USPAT;<br>USOCR | OR | OFF | 2004/09/06 16:52 |
| S20 | 211  | ((362/800).CCLS.) and aluminum   | USPAT           | OR | OFF | 2004/09/06 16:53 |
| S21 | 1228 | (362/800).CCLS.  | USPAT;<br>USOCR | OR | OFF | 2005/01/03 15:46 |
| S22 | 542  | ((362/800).CCLS.) and color  | USPAT           | OR | OFF | 2005/01/03 15:47 |
| S23 | 325  | ((362/800).CCLS.) and reflector  | USPAT           | OR | OFF | 2005/01/03 15:47 |
| S24 | 109  | ((362/800).CCLS.) and reflector)<br>and vehicle  | USPAT           | OR | OFF | 2005/01/03 15:47 |
| S25 | 283  | 362/560  | USPAT           | OR | OFF | 2005/01/11 09:34 |
| S26 | 91   | 362/560 and diode  | USPAT           | OR | ON  | 2005/01/11 09:35 |
| S27 | 51   | 362/560 and diode and reflector  | USPAT           | OR | ON  | 2005/01/11 09:36 |
| S28 | 1430 | ("362"/\$.ccls. and diode and<br>reflector) not (362/560 and diode<br>and reflector)                                     | USPAT           | OR | ON  | 2005/01/11 09:52 |
| S29 | 4    | ((("5660461") or ("4271408") or<br>("4336580") or ("5254453")).PN.   | USPAT;<br>USOCR | OR | OFF | 2005/01/11 09:54 |
| S30 | 4    | ((("5660461") or ("4271408") or<br>("4336580") or ("4254453")).PN.   | USPAT;<br>USOCR | OR | OFF | 2005/01/11 09:54 |
| S31 | 1232 | (362/800).CCLS.  | USPAT;<br>USOCR | OR | OFF | 2005/01/12 11:19 |
| S32 | 230  | ((362/800).CCLS.) and (white adj<br>light)   | USPAT           | OR | OFF | 2005/01/12 11:19 |
| S33 | 4    | ("5255171"   "5477436"  <br>"5585783"   "5612811").PN.   | USPAT           | OR | OFF | 2005/01/12 11:31 |

## EAST Search History

|     |     |   |                 |    |     |                  |
|-----|-----|---|-----------------|----|-----|------------------|
| S34 | 35  | (US-5567036-\$ or US-5101326-\$ or US-5006971-\$ or US-4929866-\$ or US-6598996-\$ or US-6431728-\$ or US-6149288-\$ or US-5947587-\$ or US-6412973-\$ or US-6283613-\$ or US-5671996-\$ or US-5632551-\$ or US-5528474-\$ or US-4733335-\$ or US-5038255-\$ or US-4729076-\$ or US-4228490-\$ or US-4035681-\$ or US-3860847-\$ or US-3676668-\$ or US-4780752-\$ or US-4935665-\$ or US-5436809-\$ or US-5438487-\$ or US-5580156-\$ or US-6641284-\$). did. or (US-6527411-\$ or US-4336580-\$ or US-4254453-\$ or US-5813752-\$ or US-5813753-\$ or US-5851063-\$ or US-5962971-\$ or US-6565247-\$ or US-6800996-\$). did.             | USPAT           | OR | OFF | 2005/01/12 14:05 |
| S35 | 2   | (US-3821590-\$ or US-3510732-\$). did.  | USOCR           | OR | OFF | 2005/01/12 14:05 |
| S36 | 10  | ((US-5567036-\$ or US-5101326-\$ or US-5006971-\$ or US-4929866-\$ or US-6598996-\$ or US-6431728-\$ or US-6149288-\$ or US-5947587-\$ or US-6412973-\$ or US-6283613-\$ or US-5671996-\$ or US-5632551-\$ or US-5528474-\$ or US-4733335-\$ or US-5038255-\$ or US-4729076-\$ or US-4228490-\$ or US-4035681-\$ or US-3860847-\$ or US-3676668-\$ or US-4780752-\$ or US-4935665-\$ or US-5436809-\$ or US-5438487-\$ or US-5580156-\$ or US-6641284-\$). did. or (US-6527411-\$ or US-4336580-\$ or US-4254453-\$ or US-5813752-\$ or US-5813753-\$ or US-5851063-\$ or US-5962971-\$ or US-6565247-\$ or US-6800996-\$). did.) and white | USPAT           | OR | OFF | 2005/01/12 15:29 |
| S37 | 1   | "677923"  | US-PGPUB        | OR | OFF | 2005/01/12 15:29 |
| S38 | 10  | swarco adj futurit  | EPO             | OR | OFF | 2005/01/18 15:43 |
| S39 | 591 | (362/84).CCLS.  | USPAT;<br>USOCR | OR | OFF | 2005/01/19 14:42 |
| S40 | 68  | ((362/84).CCLS.) and (moisture or humidity)   | USPAT           | OR | OFF | 2005/01/19 14:43 |
| S41 | 256 | "362"/\$.ccls. and (display and (ELE or (electroluminescent or (electro adj luminescent))))   | USPAT           | OR | OFF | 2005/01/19 14:43 |

## EAST Search History

|     |      |  |   |     |     |                  |
|-----|------|--|---|-----|-----|------------------|
| S42 | 51   | ("362"/\$.ccls. and (display and (ELE or (electroluminescent or (electro adj lumninescent)))) and (moisture or humidity)   | USPAT                                     | OR  | OFF | 2005/01/19 14:43 |
| S43 | 104  | ((("362/84).CCLS.) and (moisture or humidity)) or (("362"/\$.ccls. and (display and (ELE or (electroluminescent or (electro adj lumninescent)))) and (moisture or humidity)) | USPAT                                     | OR  | OFF | 2005/01/19 14:43 |
| S44 | 1    | "677923"   | US-PGPUB                                  | ADJ | ON  | 2005/08/27 11:44 |
| S45 | 2608 | (heat sink) and (aluminum and zinc)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2005/08/27 13:58 |
| S46 | 443  | S45 and ((light emitting (diode or diodes)) or LED)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2005/08/27 13:58 |
| S47 | 109  | S46 and (car or auto or automobile or vehicle)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2005/08/27 13:59 |
| S48 | 6    | S47 and (headlamp or (head lamp))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2005/08/27 14:00 |
| S49 | 1406 | (362/800).CCLS.  | USPAT;<br>USOCR                           | OR  | OFF | 2006/03/05 14:15 |
| S50 | 16   | ((("362/800).CCLS.) and ((vehicle or auto or car or automobile) and (high adj intensity) and (heat adj sink))  | USPAT                                     | OR  | OFF | 2006/03/05 14:15 |
| S51 | 13   | ("3474381"   "4124881"   "4654629"   "4680678"   "4893223"   "4929866"   "4977487"   "5006971"   "5084804"   "5101326"   "5162696"   "5319531"   "5436809").PN.              | USPAT                                     | OR  | OFF | 2006/03/05 14:15 |
| S52 | 51   | "5567036".URPN.  | USPAT                                     | OR  | OFF | 2006/03/05 14:15 |
| S53 | 822  | (362/488,494,545).CCLS.  | USPAT;<br>USOCR                           | OR  | OFF | 2006/03/05 14:47 |
| S54 | 172  | ((("362/800).CCLS.) and ((("362/488,494,545).CCLS.)  | USPAT                                     | OR  | OFF | 2006/03/05 14:15 |

## EAST Search History

|     |      |   |                 |    |     |                  |
|-----|------|---|-----------------|----|-----|------------------|
| S55 | 21   | ("4271408"   "4293847"   "4632798"   "4654629"   "4729076"   "4733335"   "4774434"   "4826896"   "4851972"   "4929866"   "4935665"   "4951179"   "5038255"   "5062027"   "5162696"   "5241457"   "5268828"   "5278432"   "5278731"   "5313729"   "5345705").PN. | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S56 | 21   | ("4271408"   "4293847"   "4632798"   "4654629"   "4729076"   "4733335"   "4774434"   "4826896"   "4851972"   "4929866"   "4935665"   "4951179"   "5038255"   "5062027"   "5162696"   "5241457"   "5268828"   "5278432"   "5278731"   "5313729"   "5345705").PN. | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S57 | 0    | ((362/800).CCLS.) and (chip and refelctor and (heat adj sink))  | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S58 | 37   | ((362/800).CCLS.) and (chip and reflector and (heat adj sink))  | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S59 | 111  | ((362/800).CCLS.) and (high adj power)  | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S60 | 0    | ((362/800).CCLS.) and (refelctor or refelctive)   | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S61 | 583  | ((362/800).CCLS.) and (reflector or reflective)   | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S62 | 1406 | (362/800).CCLS.   | USPAT;<br>USOCR | OR | OFF | 2006/03/05 14:15 |
| S63 | 25   | "3821590".URPN.   | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S64 | 4    | ("3510732"   "3860847"   "4035681"   "4070568").PN.   | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S65 | 9    | ("3354316"   "3400311"   "3404319"   "3419762"   "3510732"   "3528169"   "3676668"   "3696263"   "3739241").PN.   | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S66 | 23   | "3510732".URPN.   | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S67 | 2    | ("3458779").PN.   | USPAT;<br>USOCR | OR | OFF | 2006/03/05 14:15 |
| S68 | 280  | ((362/800).CCLS.) and aluminum  | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S69 | 1406 | (362/800).CCLS.   | USPAT;<br>USOCR | OR | OFF | 2006/03/05 14:15 |
| S70 | 638  | ((362/800).CCLS.) and color   | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S71 | 384  | ((362/800).CCLS.) and reflector   | USPAT           | OR | OFF | 2006/03/05 14:15 |

## EAST Search History

|     |      |   |                 |    |     |                  |
|-----|------|---|-----------------|----|-----|------------------|
| S72 | 126  | ((362/800).CCLS.) and reflector) and vehicle  | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S73 | 323  | 362/560   | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S74 | 137  | 362/560 and diode   | USPAT           | OR | ON  | 2006/03/05 14:15 |
| S75 | 75   | 362/560 and diode and reflector   | USPAT           | OR | ON  | 2006/03/05 14:15 |
| S76 | 1666 | ("362"/\$.ccls. and diode and reflector) not (362/560 and diode and reflector)  | USPAT           | OR | ON  | 2006/03/05 14:15 |
| S77 | 4    | ((("5660461") or ("4271408") or ("4336580") or ("5254453"))).PN.  | USPAT;<br>USOCR | OR | OFF | 2006/03/05 14:15 |
| S78 | 4    | ((("5660461") or ("4271408") or ("4336580") or ("4254453"))).PN.  | USPAT;<br>USOCR | OR | OFF | 2006/03/05 14:15 |
| S79 | 1406 | (362/800).CCLS.   | USPAT;<br>USOCR | OR | OFF | 2006/03/05 14:15 |
| S80 | 290  | ((362/800).CCLS.) and (white adj light)   | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S81 | 4    | ("5255171"   "5477436"   "5585783"   "5612811").PN.   | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S82 | 35   | (US-5567036-\$ or US-5101326-\$ or US-5006971-\$ or US-4929866-\$ or US-6598996-\$ or US-6431728-\$ or US-6149288-\$ or US-5947587-\$ or US-6412973-\$ or US-6283613-\$ or US-5671996-\$ or US-5632551-\$ or US-5528474-\$ or US-4733335-\$ or US-5038255-\$ or US-4729076-\$ or US-4228490-\$ or US-4035681-\$ or US-3860847-\$ or US-3676668-\$ or US-4780752-\$ or US-4935665-\$ or US-5436809-\$ or US-5438487-\$ or US-5580156-\$ or US-6641284-\$). did. or (US-6527411-\$ or US-4336580-\$ or US-4254453-\$ or US-5813752-\$ or US-5813753-\$ or US-5851063-\$ or US-5962971-\$ or US-6565247-\$ or US-6800996-\$). did. | USPAT           | OR | OFF | 2006/03/05 14:15 |
| S83 | 2    | (US-3821590-\$ or US-3510732-\$). did.  | USOCR           | OR | OFF | 2006/03/05 14:15 |

## EAST Search History

|     |      |   |   |     |     |                  |
|-----|------|---|---|-----|-----|------------------|
| S84 | 10   | ((US-5567036-\$ or US-5101326-\$ or US-5006971-\$ or US-4929866-\$ or US-6598996-\$ or US-6431728-\$ or US-6149288-\$ or US-5947587-\$ or US-6412973-\$ or US-6283613-\$ or US-5671996-\$ or US-5632551-\$ or US-5528474-\$ or US-4733335-\$ or US-5038255-\$ or US-4729076-\$ or US-4228490-\$ or US-4035681-\$ or US-3860847-\$ or US-3676668-\$ or US-4780752-\$ or US-4935665-\$ or US-5436809-\$ or US-5438487-\$ or US-5580156-\$ or US-6641284-\$). did. or (US-6527411-\$ or US-4336580-\$ or US-4254453-\$ or US-5813752-\$ or US-5813753-\$ or US-5851063-\$ or US-5962971-\$ or US-6565247-\$ or US-6800996-\$). did.) and white | USPAT                                     | OR  | OFF | 2006/03/05 14:15 |
| S85 | 1    | "677923"  | US-PGPUB                                  | OR  | OFF | 2006/03/05 14:15 |
| S86 | 10   | swarco adj futurit  | EPO                                       | OR  | OFF | 2006/03/05 14:15 |
| S87 | 734  | (362/84).CCLS.  | USPAT;<br>USOCR                           | OR  | OFF | 2006/03/05 14:15 |
| S88 | 73   | ((362/84).CCLS.) and (moisture or humidity)   | USPAT                                     | OR  | OFF | 2006/03/05 14:15 |
| S89 | 288  | "362"/\$.ccls. and (display and (ELE or (electroluminescent or (electro adj lumninescent))))  | USPAT                                     | OR  | OFF | 2006/03/05 14:15 |
| S90 | 56   | ("362"/\$.ccls. and (display and (ELE or (electroluminescent or (electro adj lumninescent)))) and (moisture or humidity)  | USPAT                                     | OR  | OFF | 2006/03/05 14:15 |
| S91 | 112  | ((((362/84).CCLS.) and (moisture or humidity)) or (("362"/\$.ccls. and (display and (ELE or (electroluminescent or (electro adj lumninescent)))))) and (moisture or humidity))  | USPAT                                     | OR  | OFF | 2006/03/05 14:15 |
| S92 | 1    | "677923"  | US-PGPUB                                  | ADJ | ON  | 2006/03/05 14:15 |
| S93 | 2836 | (heat sink) and (aluminum and zinc)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/03/05 14:15 |
| S94 | 526  | S93 and ((light emitting (diode or diodes)) or LED)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/03/05 14:15 |

## EAST Search History

|     |      |  |   |     |     |                  |
|-----|------|--|---|-----|-----|------------------|
| S95 | 130  | S94 and (car or auto or automobile or vehicle) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/03/05 14:15 |
| S96 | 6    | S95 and (headlamp or (head lamp))              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/03/05 14:15 |
| S97 | 1096 | (362/545,547,516,520).CCLS.                    | USPAT;<br>USOCR                           | OR  | OFF | 2006/03/05 14:48 |
| S98 | 822  | (362/488,494,545).CCLS.                        | USPAT;<br>USOCR                           | OR  | OFF | 2006/03/05 14:48 |
| S99 | 701  | S97 not S98                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/03/05 15:05 |

## EAST Search History

| Ref # | Hits | Search Query  | DBs      | Default Operator | Plurals | Time Stamp       |
|-------|------|---|----------|------------------|---------|------------------|
| S100  | 172  | ((housing or housin or housed or casing or casin or case or shell or container or box or boxes or enclosure or enclosures) and (LED or LEDs or (L E D) or (light (emitting or producing or generating or radiating) (diode or diodes or device or devices or element or elements or semiconductor or (semi conductor) or (circuit element)))) and (refractor or refractors or lens or lenses or ((optical or translucent or translucent or transparent or (optically active)) (element or member or component or device))) and (reflector or reflectors or mirror or mirrors or (reflective (member or members or plane or planes or surface or surfaces or element or elements or plate or plates))) and (annular or ring or circular or cylindrical or cylinder or tube or rod)).clm. | US-PGPUB | ADJ              | ON      | 2006/03/05 15:13 |

## INTERFERENCE SEARCH

